

Silane, trichloropropyl-

Other names:	n-Propyltrichlorosilane Propyltrichlorosilane Trichloro-n-propylsilane Trichloropropylsilane Silane, propyltrichloro- UN 1816 CP0800 Silane, trichloro-n-propyl-, NSC 93878
Inchi:	InChI=1S/C3H7Cl3Si/c1-2-3-7(4,5)6/h2-3H2,1H3
InchiKey:	DOEHJNBEOVLHGL-UHFFFAOYSA-N
Formula:	C3H7Cl3Si
SMILES:	CCC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	177.53
CAS:	141-57-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.75		Crippen Method
logp	3.052		Crippen Method
rinpol	801.30		NIST Webbook
rinpol	778.00		NIST Webbook
rinpol	813.00		NIST Webbook
rinpol	813.00		NIST Webbook
rinpol	790.00		NIST Webbook
tb	397.00 ± 1.00	K	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C141571&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

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<https://www.cheméo.com/cid/66-058-5/Silane-trichloropropyl.pdf>

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